

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/003140

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01D53/32 A61L9/22 F24F3/16 H01T23/00 C01B13/11  
H01T19/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01D A61L F24F H01T B01J C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 298 08 126 U (EUROMEDICO MEDIZINTECHNIK GMBH) 3 September 1998 (1998-09-03) page 4, paragraph 6 - page 5, paragraph 1 page 6, paragraph 5 - page 10, paragraph 1; claims; figures 1,2	1,2,5-14
Y	-----	3,4
X	EP 1 249 265 A (DEPARIA ENGINEERING S R L) 16 October 2002 (2002-10-16) the whole document	1,2,5-7, 11-14
X	WO 03/028880 A (ATMOSPHERIC GLOW TECHNOLOGIES ; KELLY-WINTENBERG KIMBERLY (US); SOUTH) 10 April 2003 (2003-04-10) page 11, paragraph 36 - page 12, paragraph 41 page 21, paragraph 67; figures 1-10 ----- -/-	1,2,5-7, 11-14

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

5 November 2004

Date of mailing of the international search report

15/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Eijkenboom, A

# INTERNATIONAL SEARCH REPORT

In International Application No  
PCT/GB2004/003140

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 087 428 A (WELFORD BARRY ET AL) 11 February 1992 (1992-02-11) column 3, line 24 - column 5, line 64; figures 1-6 -----	3,4
A	US 2003/131439 A1 (WEN SHEREE H) 17 July 2003 (2003-07-17) paragraph '0025! - paragraph '0031!; figures 1-7 -----	1-14
A	EP 0 824 041 A (WEIN PRODUCTS INC) 18 February 1998 (1998-02-18) column 1, line 51 - column 2, line 38 column 3, line 34 - column 5, line 12; figures 1-5 -----	1-14

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/003140

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
DE 29808126	U	03-09-1998	DE 29808126 U1		03-09-1998
EP 1249265	A	16-10-2002	IT MI20010816 A1		14-10-2002
			EP 1249265 A1		16-10-2002
WO 03028880	A	10-04-2003	EP 1450944 A1		01-09-2004
			WO 03028880 A1		10-04-2003
			US 2004184972 A1		23-09-2004
US 5087428	A	11-02-1992	AU 7887091 A		31-12-1991
			CA 2083967 A1		01-12-1991
			WO 9118662 A1		12-12-1991
			DE 69112211 D1		21-09-1995
			DE 69112211 T2		18-04-1996
			EP 0532547 A1		24-03-1993
			JP 5507437 T		28-10-1993
US 2003131439	A1	17-07-2003	EP 1471989 A1		03-11-2004
			WO 03059492 A1		24-07-2003
EP 0824041	A	18-02-1998	US 5667564 A		16-09-1997
			EP 0824041 A2		18-02-1998
			JP 10180139 A		07-07-1998
			US 6042637 A		28-03-2000
			US 5814135 A		29-09-1998